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United States Department of Agriculture,

DIVISION OF PUBLICATIONS.

WASHINGTON, D. C., January 31, 1913.

MONTHLY LIST OF PUBLICATIONS.

[JANUARY, 1913.]

NOTE.—Copies of any of the publications listed herein, except publications of the Weather Bureau, may be obtained free upon application to the Editor and Chief of the Division of Publications, U. S. Department of Agriculture, Washington, D. C., as long as the department's supply lasts. The edition of many of the publications is necessarily limited, and when same is exhausted applicants may obtain copies from the Superintendent of Documents, Government Printing Office, Washington, D. C., who, under the provisions of the joint resolution of March 28, 1904, is empowered to have reprints made and sell them at the prices herein given. Do not apply to the Superintendent of Documents for publications **without sending the price of same**, as he does not distribute them except by sale. The price of all documents, unless otherwise noted, is 5 cents per copy.

The Superintendent of Documents is not connected with the Department of Agriculture, and all remittances for publications should be sent directly to Superintendent of Documents, Government Printing Office, Washington, D. C., by postal money order, express order, or New York draft. If currency is sent, it will be at sender's risk. Postage stamps, foreign money, uncertified checks, defaced or smooth coins will positively not be accepted. To facilitate the payment of the cost of documents, the Superintendent of Documents will hereafter accept coupons issued by him instead of cash. Coupons of the value of 5 cents each are sold in sets of 20 for \$1.

The Department of Agriculture does not distribute or control the distribution of the publications of the State boards of agriculture or of the State agricultural experiment stations.

ADVANCE SHEETS, FIELD OPERATIONS OF THE BUREAU OF SOILS.

Soil Survey of Wayne County, Mississippi. By A. L. Goodman and Grove B. Jones, of the U. S. Department of Agriculture, and E. M. Jones, of the Mississippi Geological Survey. Pp. 35, fig. 1, map. (From F. O. Soils, 1911.) Price, 15 cents.

Soil Survey of Bedford County, Pennsylvania. By Charles J. Mann, of the U. S. Department of Agriculture, and W. E. Gross, of the Pennsylvania State College. Pp. 60, fig. 1, map. (From F. O. Soils, 1911.) Price, 15 cents.

Soil Survey of Bradford County, Pennsylvania. By Percy O. Wood, of the U. S. Department of Agriculture, and J. M. McKee, L. M. Skemp, W. B. Nissley, and J. B. R. Dickey, of the Pennsylvania State College. Pp. 41, fig. 1. Map. (From F. O. Soils, 1911.) Price, 15 cents.

Soil Survey of the Huntington Area, West Virginia. By W. J. Latimer. Pp. 44, pls. 2, fig. 1. Maps 2. (From F. O. Soils, 1911.) Price, 15 cents.

REPORTS.

NEW.

Annual Report of the Office of Experiment Stations for the year ending June 30, 1911. Pp. 388, pls. 15. Price, 30 cents paper, 45 cents board.

Field Operations of the Bureau of Soils, 1910. (Twelfth Report). By Milton Whitney, Chief. With accompanying papers by assistants in charge of field parties. Pp. 1772, pls. 31, figs. 52, maps 43 (in case). Price, \$4.75. (For distribution also by Senators, Representatives, and Delegates in Congress.)

BULLETINS.

NEW.

The Influence of the Stage of Lactation on the Composition and Properties of Milk. By C. H. Eckles, Professor of Dairy Husbandry, University of Missouri, and Roscoe H. Shaw, Chemist, Dairy Division, Bureau of Animal Industry. Pp. 88, figs. 14. (Bulletin 155, Bureau of Animal Industry.) Price, 10 cents.

- The Influence of Breed and Individuality on the Composition and Properties of Milk. By C. H. Eckles, Professor of Dairy Husbandry, University of Missouri, and Roscoe H. Shaw, Chemist, Dairy Division, Bureau of Animal Industry. Pp. 27, fig. 1. (Bulletin 156, Bureau of Animal Industry.) Price, 5 cents.
- Variations in the Composition and Properties of Milk from the Individual Cow. By C. H. Eckles, Professor of Dairy Husbandry, University of Missouri, and Roscoe H. Shaw, Chemist, Dairy Division, Bureau of Animal Industry. Pp. 27. (Bulletin 157, Bureau of Animal Industry.) Price, 5 cents.
- Index to Papers Relating to the Food of Birds by Members of the Biological Survey in Publications of the United States Department of Agriculture, 1885-1911. By W. L. McAtee, Assistant, Biological Survey. Pp. 69. (Bulletin 43, Bureau of Biological Survey.) Price, 10 cents.
- Pulp and Paper and Other Products from Waste Resinous Woods. By F. P. Veitch, Chief, Leather and Paper Laboratory, and J. L. Merrill, Assistant Chemist. Pp. 28. (Bulletin 159, Bureau of Chemistry.) Price, 5 cents.
- An Index to Catalogues of Recently Described Coccidae Included in the Technical Series Nos. 12 and 16. By E. R. Sasser, Scientific Assistant. Pp. 99-116. (Technical Series No. 16, Part 7, Bureau of Entomology.) Price, 5 cents.
- Some Insects Injurious to Truck Crops. I. The Colorado Potato Beetle in Virginia in 1908. By C. H. Popenoë. II. The Parsnip Leaf-Miner; The Parsley Stalk Weevil; The Celery Caterpillar. By F. H. Chittenden. III. The Lima-Bean Pod-Borer; The Yellow-Necked Flea-Beetle. By F. H. Chittenden. IV. The Life History and Control of the Hop Flea-Beetle. By William B. Parker. V. Biologic and Economic Notes on the Yellow-Bear Caterpillar. By H. O. Marsh. VI. Notes on the Cucumber Beetles. By F. H. Chittenden. VII. Biological Notes on Species of Diabrotica in Southern Texas. By H. O. Marsh. VIII. Notes on Various Truck-Crop Insects. By F. H. Chittenden. Pp. 108, pls. 4, figs. 24. (Bulletin 82, Bureau of Entomology.) Price, 20 cents.
- Hydrocyanic-Acid Gas Fumigation in California. I. Fumigation of Citrus Trees. By R. S. Woglim. II. The Value of Sodium Cyanid for Fumigation Purposes. By R. S. Woglim. III. Chemistry of Fumigation with Hydrocyanic-Acid Gas. By C. C. McDonnell. Pp. 113, pls. 10, figs. 13. (Bulletin 90, Bureau of Entomology.) Price, 20 cents.
- The Horse-Radish Webworm. By H. O. Marsh, Entomological Assistant. Pp. 71-76, figs. 4. (Bulletin 109, Part 7, Bureau of Entomology.) Price, 5 cents.
- Life History of the Codling Moth in the Santa Clara Valley of California. By P. R. Jones and W. M. Davidson, Entomological Assistants, Deciduous Fruit Insect Investigations. Pp. 113-180. Fig. 13. (Bulletin 115, Part 3, Bureau of Entomology.) Price, 10 cents.
- The Cherry Fruit Sawfly. By S. W. Foster, Entomological Assistant. Pp. 73-79, pls. 2, figs. 2. (Bulletin 116, Part 3, Bureau of Entomology.) Price, 5 cents.
- Lime-Sulphur as a Stomach Poison for Insects. By E. W. Scott and E. H. Siegler, Entomological Assistants, Deciduous Fruit Insect Investigations. Pp. 81-90, pl. 1. (Bulletin 116, Part 4, Bureau of Entomology.) Price, 5 cents.
- Experiment Station Record, Vol. XXVII, No. 7, November, 1912. E. W. Allen, Ph. D., Editor. Pp. 601-700. Price, 15 cents.
- Same*, Vol. XXVII, No. 8, December, 1912. Pp. 701-800. Price 15 cents.
- Same*, Vol. XXVII, No. 9. Abstract Number. Pp. 801-900. Price, 15 cents.
- The Record contains numerous abstracts of the publications of the agricultural experiment stations and kindred institutions in this and other countries, articles and editorials on topics of special interest in agricultural science by American and foreign experts, and notes on the experiment stations. The Superintendent of Documents has fixed the price of this serial, which is now issued in two volumes a year, nine numbers each, at \$1 a volume.
- Wood Turpentines: Their Analysis, Refining, and Composition, Based upon Experiments at the Forest Products Laboratory at Madison, Wis. By L. F. Hawley, Chemist in Forest Products. Pp. 69, figs. 54. (Bulletin 105, Forest Service.) Price, 15 cents.
- Mechanical Properties of Western Hemlock. By O. P. M. Goss, Engineer in Forest Products. Pp. 45, pls. 6, figs. 13. (Bulletin 115, Forest Service.) Price, 15 cents.

- An Examination of the Oleoresins of Some Western Pines. By A. W. Schorger, Chemist in Forest Products. Pp. 36, pl. 1, figs. 4. (Bulletin 119, Forest Service.) Price, 5 cents.
- Mechanical Properties of Western Larch. By O. P. M. Goss, Engineer in Forest Products. Pp. 45, pls. 4, figs. 14. (Bulletin 122, Forest Service.) Price, 10 cents.
- The Composite Type on the Apache National Forest. By Harold H. Greenamyre, Forest Assistant. Pp. 32, figs. 4. (Bulletin 125, Forest Service.) Price, 5 cents.
- Monthly Bulletin of the Library, November, 1912. Vol. 3, No. 11. Pp. 334-364. (Library.) Price, 5 cents.
- Studies of Fungous Parasites Belonging to the Genus *Glomerella*. By C. L. Shear, Pathologist, and Anna K. Wood, Formerly Scientific Assistant, Fruit-Disease Investigations. Pp. 110, pls. 18, figs. 4. (Bulletin 252, Bureau of Plant Industry.) Price, 20 cents.
- The Kaoliangs: A New Group of Grain-Sorghums. By Carleton R. Ball, Agronomist in Charge of Grain-Sorghum and Broom-Corn Investigations. Pp. 64, pls. 2, figs. 15. (Bulletin 253, Bureau of Plant Industry.) Price, 15 cents.
- Heredity and Cotton Breeding. By O. F. Cook, Bionomist in charge of Crop Acclimatization and Adaptation Investigations. Pp. 113, pls. 6, figs. 19. (Bulletin 256, Bureau of Plant Industry.) Price, 15 cents.
- Some New Alfalfa Varieties for Pasture. By George W. Oliver, Plant Breeder and Propagator. Pp. 39, pls. 11. (Bulletin 258, Bureau of Plant Industry.) Price, 15 cents.
- Methods Used in Breeding Asparagus for Rust Resistance. By J. B. Norton, Physiologist, Cotton and Truck Disease and Sugar-Plant Investigations. Pp. 60, pls. 18, figs. 4. (Bulletin 263, Bureau of Plant Industry.) Price, 20 cents.
- The Purpling Chromogen of a Hawaiian Dioscorea. By Hartley Harris Bartlett, Chemical Biologist, Drug-Plant, Poisonous-Plant, Physiological, and Fermentation Investigations. Pp. 19, pl. 1, fig. 1. (Bulletin 264, Bureau of Plant Industry.) Price, 10 cents.
- Tobacco Marketing in the United States. By E. H. Mathewson, Crop Technologist, Tobacco Investigations. Pp. 67, figs. 10. (Bulletin 268, Bureau of Plant Industry.) Price, 10 cents.
- Heredity of a Maize Variation. By G. N. Collins, Botanist, Crop Acclimatization and Adaptation Investigations. Pp. 23, pl. 1, fig. 1. (Bulletin 272, Bureau of Plant Industry.) Price, 5 cents.
- Some Organic Soil Constituents. By Edmund C. Shorey, Scientist in Soil Fertility Investigations. Pp. 41, pl. 1. (Bulletin 88, Bureau of Soils.) Price, 10 cents.
- List of Agricultural Fairs and Exhibitions in the United States. By George K. Holmes, Chief of Division of Production and Distribution. Pp. 68. (Bulletin 102, Bureau of Statistics.) Price, 10 cents.

CIRCULARS.

NEW.

- The Seed-Importation Act of August 24, 1912. Pp. 6. (Circular 42, Office of the Secretary.)
- The Organization of Girls' Poultry Clubs. By Harry M. Lamon, Senior Animal Husbandman in Poultry Investigations, Animal Husbandry Division. Pp. 11, fig. 5. (Circular 208, Bureau of Animal Industry.)
- The Detection of Faulty Sizing in High-Grade Papers. By C. Frank Sammet, Assistant Chemist, Leather and Paper Laboratory. Pp. 3, pls. 3. (Circular 107, Bureau of Chemistry.)
- A Chemical Investigation of the Composition of the Oil of Chenopodium. By E. K. Nelson, Chief, Essential Oils Laboratory, Division of Drugs. Pp. 8. (Circular 109, Bureau of Chemistry.)
- The Gipsy Moth as a Forest Insect, With Suggestions as to its Control. By W. F. Fiske, Agent and Expert. Pp. 20. (Circular 164, Bureau of Entomology.)
- Flour Paste as a Control for Red Spiders and as a Spreader for Contact Insecticides. By William B. Parker, Entomological Assistant. Pp. 5, figs. 2. (Circular 166, Bureau of Entomology.)
- The Movement of the Cotton Boll Weevil in 1912. By W. D. Hunter and W. D. Pierce, of Southern Field Crop Insect Investigations. Pp. 3, fig. 1. (Circular 167, Bureau of Entomology.)
- Sacbrood, A Disease of Bees. By G. F. White, M. D., Ph. D., Expert in Bacteriology. Pp. 5. (Circular 169, Bureau of Entomology.)



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- Forest Fire Protection under the Weeks Law in Cooperation with States. By J. Girvin Peters. Pp. 14, map. (Circular 205, Forest Service, First Revision.)
- Greenheart. By C. D. Mell, Assistant Dendrologist, and W. D. Brush, Expert. Pp. 12, pls. 4. (Circular 211, Forest Service.)
- Circassian Walnut. By George B. Sudworth, Dendrologist, and Clayton D. Mell, Assistant Dendrologist. Pp. 12, pls. 5. (Circular 212, Forest Service.)
- Miscellaneous Papers. [I] United States Official Cotton Grades. By N. A. Cobb. [II] Potato Leaf-Roll. By W. A. Orton. [III] Morphology of Cotton Branches. By O. F. Cook. [IV] The Wilting Coefficient for Plants in Alkali Soils. By T. H. Kearney. [V] Interpreting the Variation of Plant Yields. By F. D. Farrell. Pp. 32. (Circular 109. Bureau of Plant Industry.)
- Miscellaneous Papers. [I] Grass Demonstrations in the South. [II] Some Asiatic Actinidiias. By David Fairchild. [III] Powdery Dry-Rot of the Potato. By W. A. Orton. [IV] Preparation of Land for Egyptian Cotton in the Salt River Valley, Arizona. By E. W. Hudson. [V] Agriculture on the Truckee-Carson Project: Vegetables for the Home Garden. By F. B. Headley and Vincent Fulkerston. [VI] Fungous Staining of Cotton Fibers. By Albert Mann. [VII] The Jack Bean and Sword Bean. By C. V. Piper. [VIII] Fiber from Different Pickings of Egyptian Cotton. By T. H. Kearney. Pp. 39, pls. 3, figs. 2. (Circular 110, Bureau of Plant Industry.)
- Monthly List of Publications for December, 1912. Pp. 4. (Document 778, Division of Publications.)
- The Organic Constituents of Soils. By Oswald Schreiner, Scientist in Charge, Soil Fertility Investigations. Pp. 18. (Circular 74, Bureau of Soils.)
- Manganese as a Fertilizer. By M. X. Sullivan and W. O. Robinson. Pp. 3. (Circular 75, Bureau of Soils.)
- Tobacco Crop, 1912. By Types and Districts. By J. P. Killebrew, Special Agent for Tobacco, Bureau of Statistics. Pp. 8. (Circular 43, Bureau of Statistics.)
- Foreign Crops, December, 1912. By Charles M. Daugherty, Chief of the Division of Research and Reference. Pp. 18. (Circular 44, Bureau of Statistics.)
- Crop Reporter, Vol. 15, No. 1, January, 1913. Pp. 1-8. (Bureau of Statistics.)
- The Crop Reporter is a two-column quarto publication devoted to agricultural statistics.

FARMERS' BULLETIN.

NEW.

- An Example of Intensive Farming in the Cotton Belt. By M. A. Crosby, Agriculturist, Office of Farm Management, Bureau of Plant Industry. Pp. 13, figs. 7. (Farmers' Bulletin 519.)

PUBLICATIONS OF THE WEATHER BUREAU.

- [Publications of the Weather Bureau are obtainable only from the Chief of the Weather Bureau or the Superintendent of Documents, Government Printing Office, at the prices noted.]

Monthly Weather Review, Vol. 40, No. 10, October, 1912. Prepared under the direction of Willis L. Moore, Chief, U. S. Weather Bureau. Pp. 1457-1609, maps 2, charts 7. (W. B. No. 495.) Price, 35 cents; \$4 a year.

National Monthly Weather Bulletin No. 31, for December, 1912, reporting temperature and rainfall with a summary of weather conditions throughout the United States. [Weekly, April-September, Monthly, remainder of year.] Price, 25 cents a year. Snow and Ice Bulletins for January 2, 7, 14, 21, 28. These bulletins are issued weekly during the winter season, based upon data from regular Weather Bureau stations, supplemented by reports from selected cooperative observers. Price, 25 cents a year.

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Jos. A. ARNOLD,
Editor and Chief.

Approved:

JAMES WILSON,
Secretary of Agriculture.

